



A.D. 1854 N° 2622.

S P E C I F I C A T I O N

OF

CHARLES WILLIAM GRANT.

DOMESTIC STOVES AND FIRE-PLACES.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
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Domestic Stoves and Fire-places.

(This Invention received Provisional Protection, but notice to proceed with the application for Letters Patent was not given within the time prescribed by the Act.)

PROVISIONAL SPECIFICATION left by Charles William Grant at the Office of the Commissioners of Patents, with his Petition, on the 13th December 1854.

I, CHARLES WILLIAM GRANT, of Bath, in the County of Somerset, a
5 Lt.-Colonel on the Retired List of the Indian Army, do hereby declare the nature of the said Invention for “**CERTAIN APPARATUS FOR THE PRODUCTION OF DRAUGHT AND PREVENTION OF SMOKE IN DOMESTIC STOVES AND FIRE-PLACES**” to be as follows:—

In a common chimney, the continuity of the draught between the fire and the
10 flue of the chimney is broken by its passing through a large open space before entering the flue; and in new buildings, and in damp weather, when this space is full of cold damp air, the heated air from the fire is so cooled and the current checked as to stop its ascent up the flue. Now, my Invention consists in fixing a funnel or conical-shaped tube to a register or metal cover to the
15 breast of the chimney leading well into the flue, whereby a perfect and direct draught is secured from the fire to the chimney flue; the funnel being made smaller at top than at bottom, admits of its being drawn out clear of the grate for the purpose of sweeping the chimney, and it is so fixed that any chimney sweep can take it out. The register top is contracted in form, so as to draw the
20 smoke towards the funnel, and is made square in front to prevent any smoke

Grant's Impts. in the Production of Draught & Prevention of Smoke, &c.

coming into the room. This funnel will also prevent any soot from falling down the chimney, and as wind which blows down a chimney clings to the sides of the flues, the funnel would in a great measure, if not entirely, obviate this evil. There may be a valve fixed in the funnel to regulate the draught, if necessary. This register plate and funnel are well adapted to kitchen chimneys, 5 and obviously take the place of a register grate, but the conical funnel may be applied to any existing register grate. The register top and funnel may be applied most easily to any existing fire-place at a small cost.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1855.